CLARIVIEWS

Multi-Function
Media
DVD Recorder

DVR450

User Manual

IMPORTANT SAFETY GUIDELINES

Whenever using electrical devices, you should always observe certain basic precautions.

Precautions to be observed:

1. Read the instructions - Read all safety and usage guidelines before using the device.

2. **Retain the instructions** - Retain the safety and usage guidelines in case of any need for future reference.

3. **Observe warnings** - You must adhere to all warnings featuring on the device and in the manual.

4. **Follow the instructions** - You must observe all usage guidance and information.

5. **Cleaning** - Unplug the device from the wall outlet before cleaning. Refrain from using any liquid or aerosol cleaning agents.

6. **Accessories** - Refrain from using accessories that are not recommended by the manufacturer as they could present a possible risk.

7. **Water and humidity** - Avoid exposing the device to water and humidity. Protect this device from water and all other liquids; no object containing water, such as a vase, should be placed on this device.

8. **Positioning** - Place the device on a stable surface before any use. If poorly positioned, the device could fall and suffer damage. Its fall could also seriously injure a child or adult.

9. **Transport** - This device should be moved carefully to avoid any risk of damage or injury..

10. **Power supply** - This device should only ever be connected to a power supply which conforms to the information detailed on the data plate.

11. **Protection of electric cables -** The power cables must be protected against any risk of becoming tangled, stamped on or pinched.

12. **Overloading** - Do not overload the wall plug or extension cables as this will lead to a risk of fire and electrocution.

13. **Insertion of objects or liquids** - Refrain from inserting any objects into the device openings as they could come into contact with live electrical components or cause a short circuit and there would be a risk of electrocution or fire.

14. **Repairs** - Refrain from attempting to repair the device yourself as by opening or removing parts from the case you expose yourself to a risk of electrocution and other dangers. Refer to qualified,

professional assistance in the event of needing to carry out repairs.

15. **Deterioration requiring repairs** - Unplug the device from the wall and hire a qualified professional to carry out the repair in the following cases:
a. If the power cord or plug becomes damaged.
b. If any liquid or objects fall into the device.
c. If the device has been exposed to the rain or has come into contact with water.
d. If the device is not functioning properly even after you have followed the troubleshooting guidance in the manual.
e. If the device has fallen or suffered any damage and no longer functions as before.

16. **Replacement parts -** If a part needs to be replaced, ensure that the technician uses the replacement part specified by the manufacturer or a part with the same characteristics as the original part. The replacement of any parts with unauthorized parts can result in fire, electrocution or other dangers.

17. **Safety check** - After any maintenance operations or repairs are carried out on the device, ask the technician to carry out safety checks in order to ensure that the device is in sound working order.

18. **Heat** - This device must be placed away from sources of heat such as radiators, hot air outlets, ovens and other devices (including amplifiers) that produce heat.

PRECAUTIONS TO BE OBSERVED

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT USE THIS PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

1. To completely turn off the device, unplug the power cord from the wall outlet. You must always unplug the device if it is to remain unused for a prolonged period of time.

2. Incorrect use of the command and settings buttons or using the device in a way different to that specified in the present manual can expose you to dangerous radiation.

3. If this device is not in good working order, cease all use and contact the appropriate after-sales service department.

BEFORE ALL USE, READ THE PRECAUTIONS BELOW

1. Ensure a stable placement and avoid placing the device anywhere exposed to direct sunlight or near to a source of heat.

2. Avoid placing the device anywhere it could be exposed to vibrations, dust cold or humidity.

3. Do not place the device close to or on top of other stereo equipment that radiate too much heat.

4. Once the record player is positioned, ensure that the plug is located near the device and is easily accessible. Attach this chain so that you can immediately unplug the power supply from the source outlet in the event of a problem.

5. Do not open the device as doing so would risk electrocution. If a foreign object accidentally becomes inserted into the device, contact your vendor.

6. In order to disconnect the device's power supply, pull on the plug, NOT the cable.

7. To completely turn off the device, unplug the power cord from the wall outlet.

8. Before using this device, check that its operating voltage is identical to that of the local supply.

Copyright

Certain TV programs, films, videos, CDs and other materials are under copyright protection. Recording of these materials in question without approval is in violation of the copyright law.
Such copyrighted material is not recordable by this device.

SPECIFICATIONS

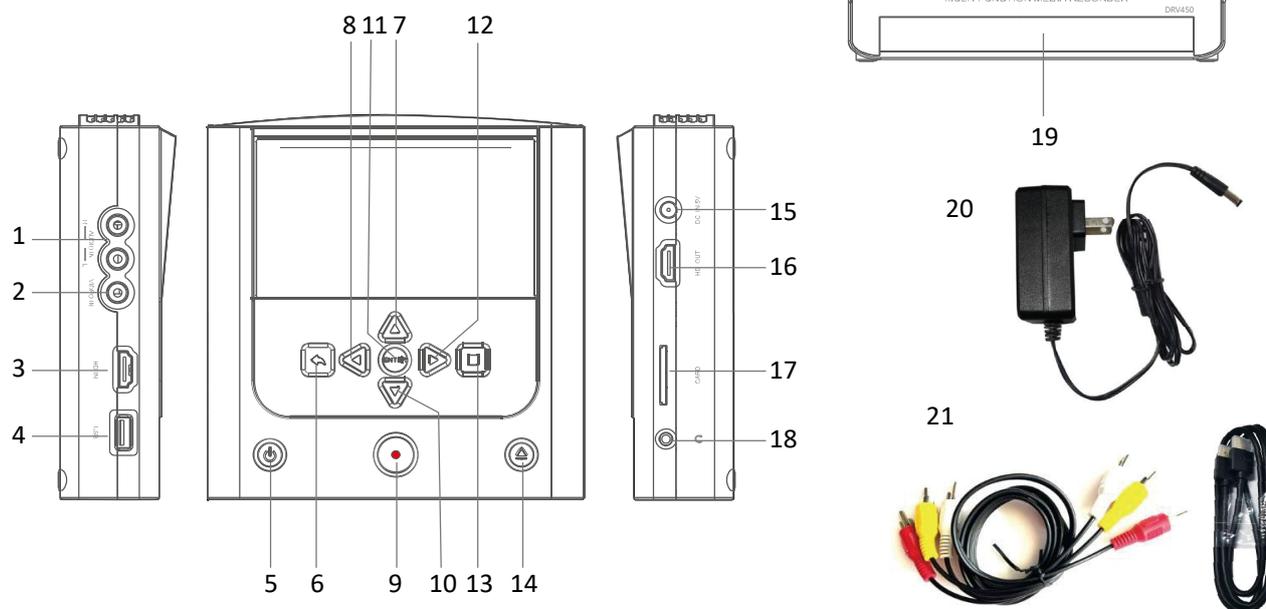|	
Input:	100-240V 50/60HZ 0.8A
Output	5V $=$ 3A 15.0W
Internal storage	16GB in total
Memory card supported: SD card - For MicroSD, Micro SDHC, MicroSDXC please use an adapter	
Maximum Memory Capacity Supported for USB/ SD card: 32GB (USB/SD Card Not Included)	
DVD type supported	DVD-5 (4.7G) included DVD-R, DVD-RW
CD type supported	CD-R, CD-RW
Working temperature	0-40 ℃

Product description

1	Audio IN R/L	8	LEFT ◁	15	DC IN
2	Video IN	9	REC record button	16	HD OUT
3	HD IN	10	DOWN ▽	17	Card slot
4	USB Port	11	**ENTER** Button (to confirm the selection)	18	Earphone
5	**POWER** button	12	RIGHT ▷	19	DVD Rom
6	**RETURN** Button	13	**STOP** button	20	AC adaptor
7	UP △	14	**EJECT** button	21	AV/HD cable

Operating instruction

- **Power on**: connect the adaptor to recorder, plug the power cord into a power socket, press **[POWER]** button for 3 seconds
- **Power off**: press **[POWER]** button for 3 seconds to shut down the recorder, unplug the power cord

NOTE: DO NOT unplug the recorder before it totally shuts down.

Transfer files from mobile phone to USB/SD card/DVD disc/External HDD

With WIFI

Tablet ipad ...

Mobile Phone

OUT

① SD CARD

② USB DRIVE

③ External HDD

④ DVD-RW

Mobile phone APP connect with media recorder operation instructions

1. iOS and Android APP instructions 1.1
a)Scan the QR code to download APP from Apple Store or Google Play Store

Note: If the APP is temporarily unavailable for technical reasons, it may not be searchable or downloadable from the GOOGLE Play Store or APP Store. Please scan the QR code to download the APP directly. Or, the app is available for download from the following website: https://apkpure.com/friendly-memories/com.ligo.amemories/amp

Scan the QR to go directly to the APP download page: https://apkpure.com/friendly-memories/ com.ligo.amemories/amp

b) Or searching 'FriendlyMemories' from APP Store or Google Play Store. (When we search for the APP, we have to search it as "FriendlyMemories" as one word and no space in between.)
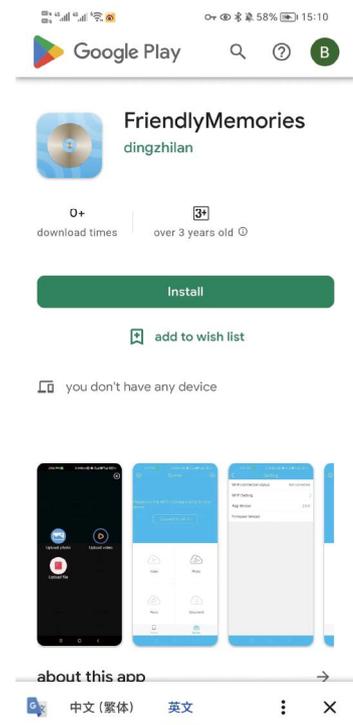
1.2 Media recorder will create a WiFi hotspot 'DVD_ SERVER_XXXX' automatically while power on, find this WiFi hotspot from your mobile phone on setting and connect to it, initial password is 12345678.
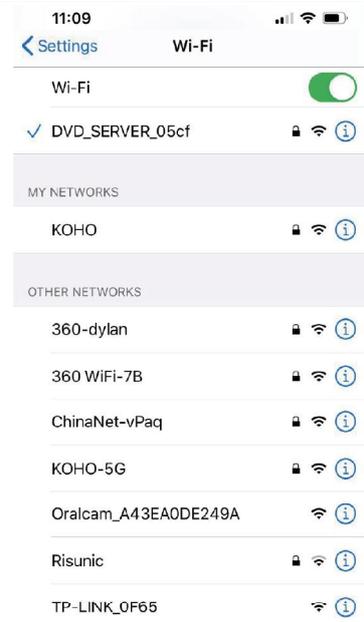
2. Insert USB, DVD, or SD card that have the media files that you want to transfer between your mobile phone and Media Player.
Enter Friendly Memories to manage the files of mobile phone and media recorder.
2.1 Enter "Phone" to access video, photo, music, and document.
Note: In order to access the files, user needs to use the upper right corner icon "Upload" to upload the files from phone to APP.
2.2 Enter "Burner" to access Media Player which includes U Disk, SD card, and DVD.
2.3 User can view or play the media files.

Select from source "Phone", select from Video, Photo, Music, or Documents folder, then click on the file to view or play it. Select from source "Burner", select from U Disc, SD card, or DVD, select from Video, Photo, Music, or Document where the media files are to be viewed or played.
Note: Some file will require the Phone to use third party app to view or play the file.
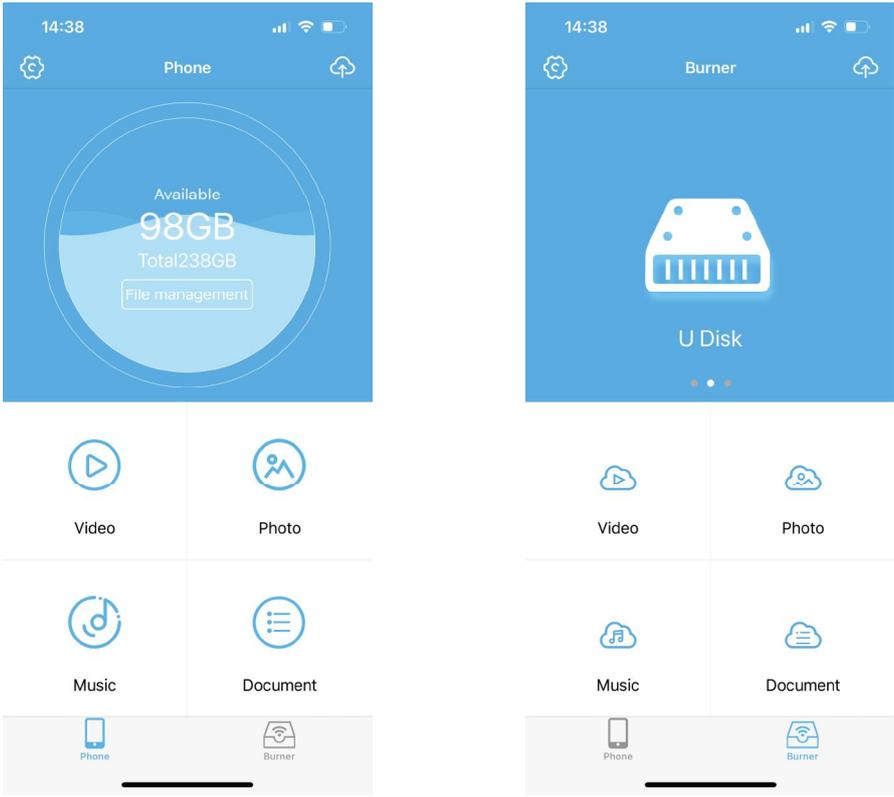
3. Users can upload the pictures and videos in the phone album to the U Disc, SD card, and DVD disc on the media recorder.
3.1 Tap "Upload" icon on the upper right corner of the page.
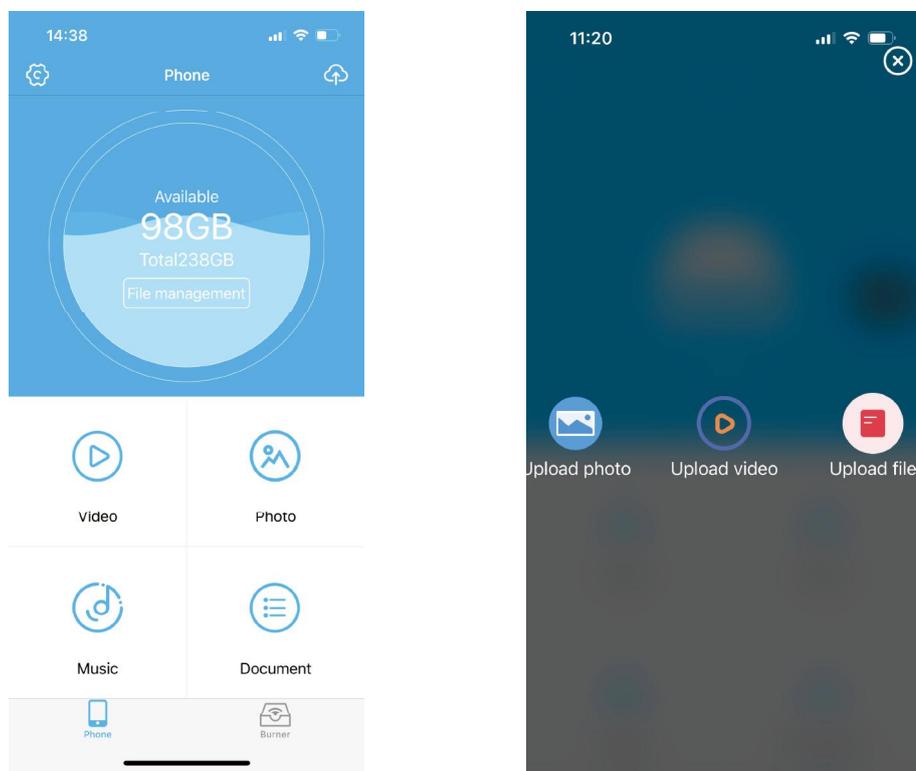
3.2 Enter Upload photo/Upload video and select the pictures and video files you need to upload to the U disk, SD card, or DVD disc on the media recorder.

9

Enter Upload file to enter the file system of the phone and select PDF and other documents to upload to the U disk, SD card, or DVD disc on the media recorder.
Tap Upload icon in upper right corner and the file storage path will pop up.
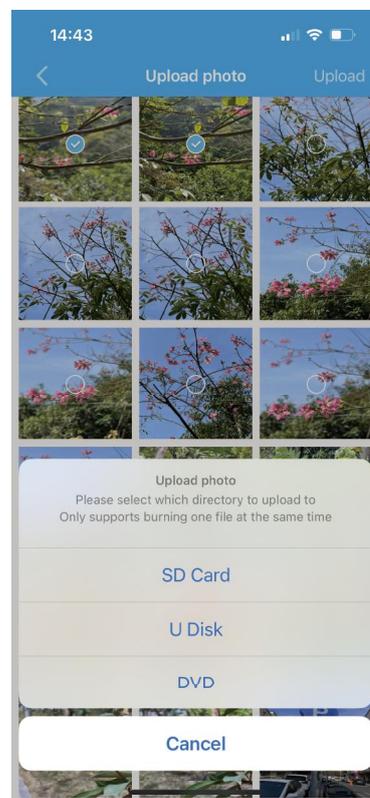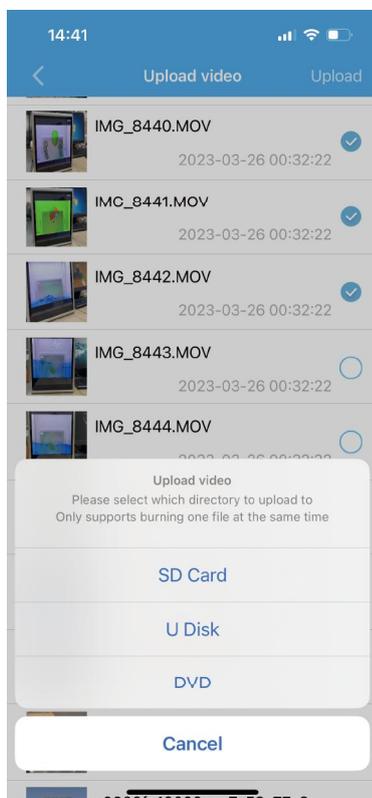
4. User can enter the mobile phone APP and select files from U disk, SD card, or DVD disc on media recorder to

download to mobile phone. The download files are saved in the corresponding folder of the phone of the APP.
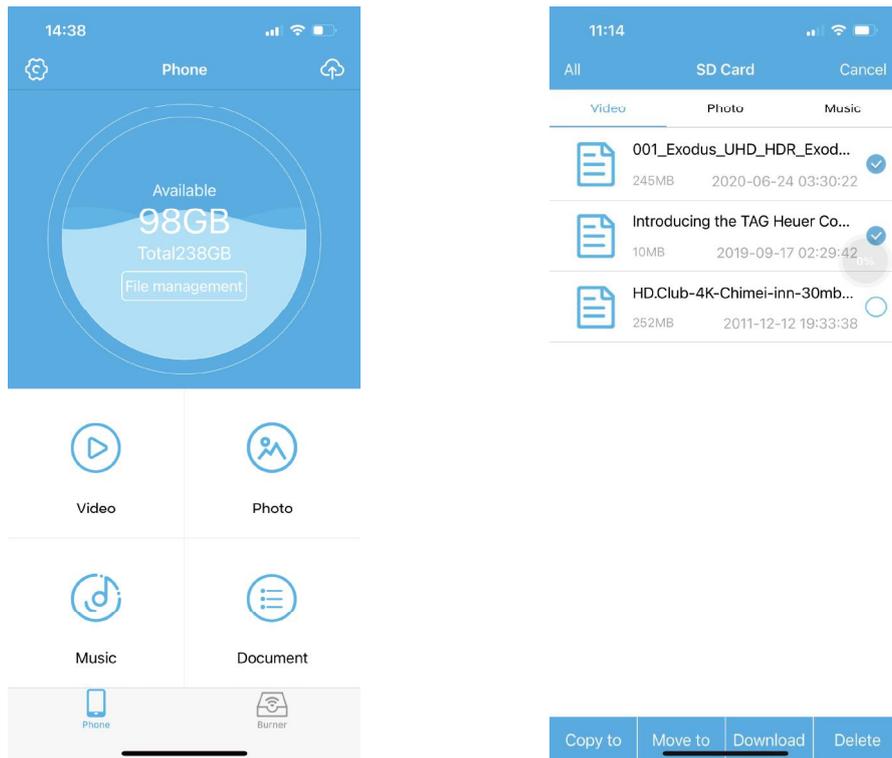

5. User can copy and move files between U disk, SD card, and DVD disc. Transferring files from USB to SD or DVD Select the file.

Click "edit" on the top right , Click on the file(s)
Select the desired action from the bottom of the page
"Copy to" - copy files to SD or DVD

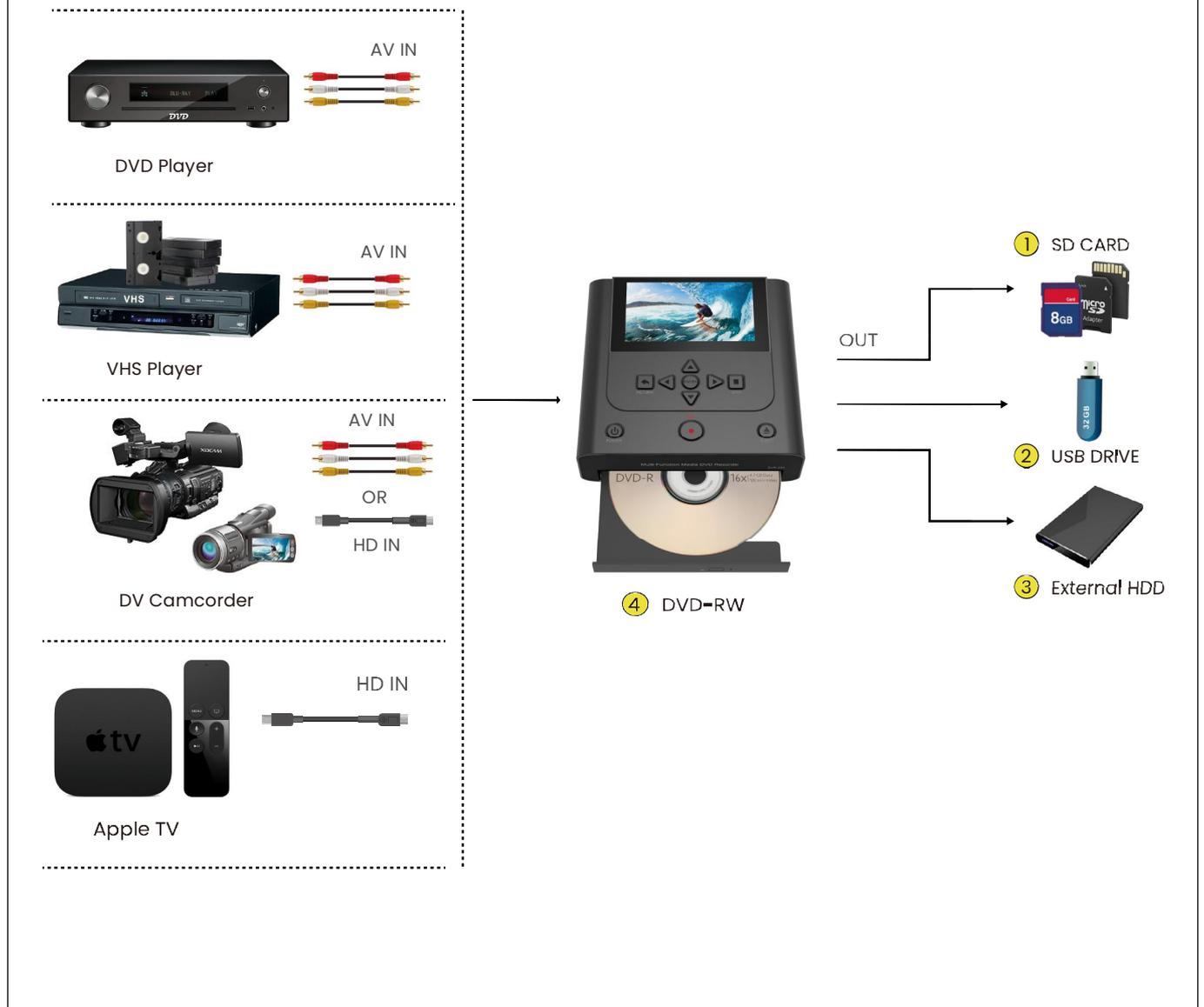"Move to" - move files to SD or DVD (moving files will delete file(s) from the source, "Download" - download file to your phone or tablet, "Delete" - delete file(s) Transferring files from DVD to USB or SD is the same procedure for USB to SD or DVD with only "copy to" and "Download" option
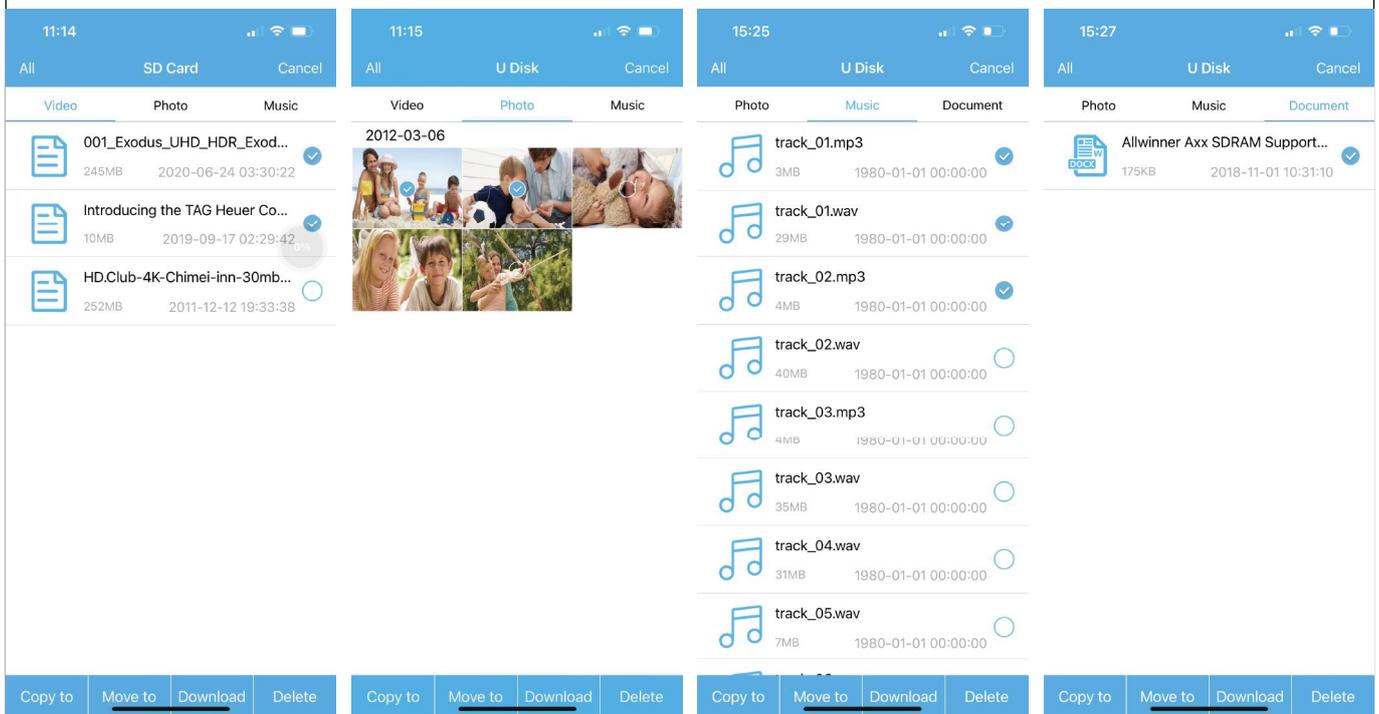
6. Enter from the setting icon in the upper left corner of the APP, you can reset the WiFi hotspot name and password.
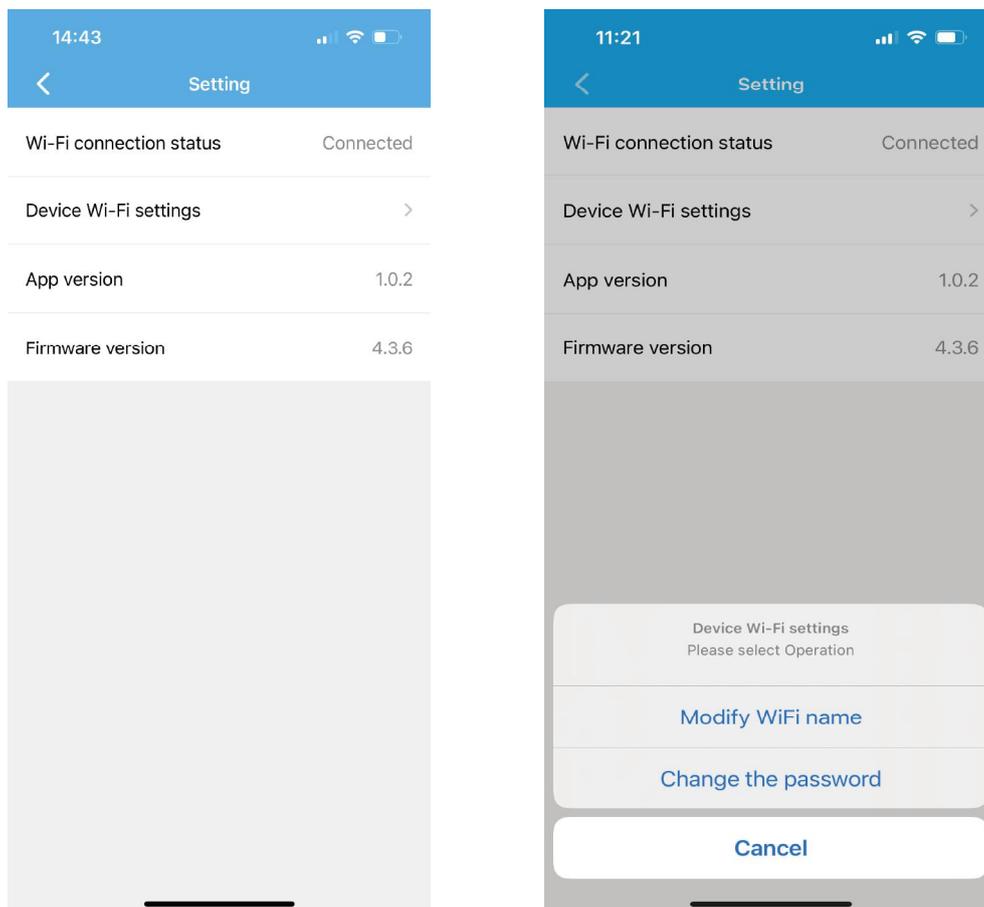
Record files from DVD player /VHS player/DV Camcorder/ Apple TV to USB/SD card/DVD disc/External HDD via RCA or HDMI

DVD Player   AV IN

VHS Player   AV IN

DV Camcorder   AV IN OR HD IN

Apple TV   HD IN

OUT

① SD CARD

② USB DRIVE

③ External HDD

④ DVD-RW

1. AV IN to DVD-ROM/HDMI IN to DVD-ROM

1. Enter the main menu. Use the device's up & down keys to select "Video/HDMI/USB/Card→DVD".

2. Press "ENTER" to confirm.The selections "Video/HDMI/USB/Card" will appear.

3. Insert a blank disc into the DVD Drive. Connect the unit and external device with the AV/HDMI cable.

4. Select input "AV in/HDMI in " (Prompt: "Video → DVD/HDMI → DVD". recording quality and remaining time will appear.)

5. Press record (the red button) to start recording.

6. Press "STOP" to end the recording. A "Burning" status will appea.

7. Wait for burning to be completed. The disc will eject automatically after it is complete.

8. To exit the current menu, press "RETURN".

To go back to the main menu, press "RETURN" repeatedly until the main menu is reached.

Video/HDMI/USB/Card ➔ DVD
Record to DVD from:
Video
HDMI
USB
ENTER Select

2. AV IN to USB/Card

1. Insert AV cable into unit's inputs and external device's outputs. Insert a USB drive.
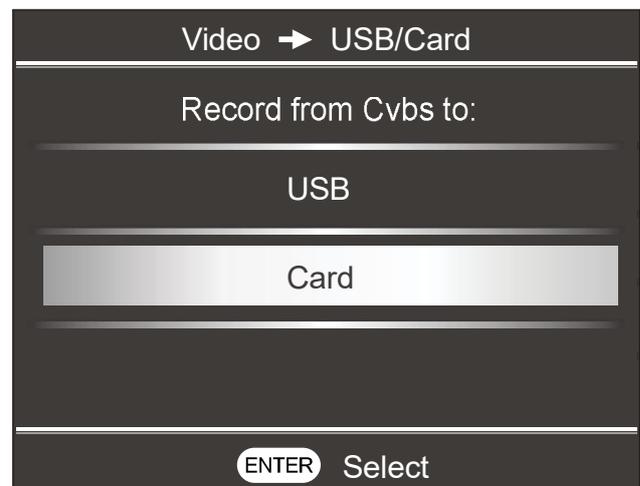
2. Enter main menu and select "Video → USB/Card".

3. Select output "USB/Card ". (Prompt: "Video → USB/Video → Card", recording quality and remaining time will appear.)

4. Press record to start recording .

5. Press the "STOP" key to stop recording. A "Burning" status will appear. When burning is completed, prompt: "Burning finished, please press return" will appear.

6. To exit the current menu, press "RETURN".

To go back to the main menu, press "RETURN" repeatedly until main menu is displayed.

Video ➡ USB/Card

Record from Cvbs to:

USB

Card

ENTER Select

3. HDMI to USB/Card

1. Insert HDMI cable into unit's inputs and external device's outputs. Insert a Memory Card.

2. Enter main menu and select "HDMI → USB/Card".

3. Select output "USB/Card ". (Prompt: "HDMI→ USB/HDMI → Card", recording quality and remaining time will appear.)

4. Press record to start recording.

5. Press the "STOP" key to stop recording and a "Burning" status will appear. When burning is completed, prompt: "Burning finished, please press return" will appear.

6. To exit the current menu, press "RETURN".
To go back to the main menu, press "RETURN" repeatedly until main menu is displayed.

HDMI ➜ USB/Card
Record from HDMI to:
USB
Card
ENTER Select
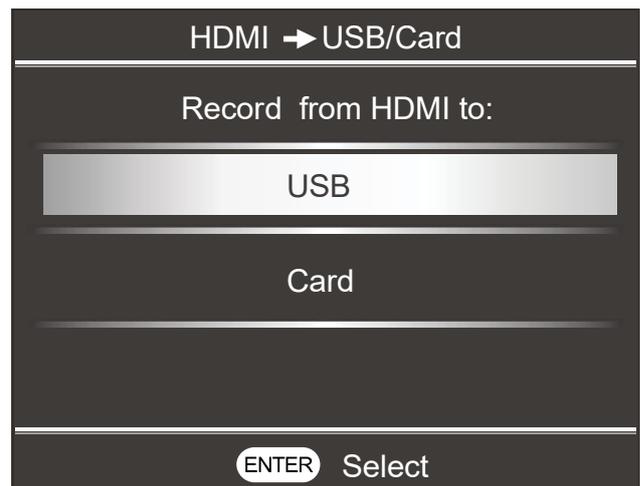
Copy files from one to other storage medium

① SD CARD
② USB DRIVE
③ External HDD
④ DVD-RW/CD-RW

IN   OUT

1. USB to DVD-ROM

1. Insert a blank disc (the screen will say "No Disc" if read wrong). Insert a USB drive.

2. Enter the main menu. Use the up & down keys on the unit to select "Video/USB/Card→ DVD".

3. Press "ENTER" to confirm. The selections "Video/USB/Card" will appear.

disk will eject automatically.

8. To exit the current menu, press "RETURN".

To go back to the main menu, press "RETURN" repeatedly until the main menu is displayed.

* If USB capacity is larger than DVD capacity, prompt: "Not enough space in DVD" will display.

4. Select the USB input. (Prompt: "Copy files from USB to DVD" and "Press REC to start recording" will appear.)

5. Press record to start recording.

6. "Burn files" will display with progress bar. Burning speed depends on the size of the files.

7. Press return when "Burning finished" is displayed, then the

** If USB is not inserted after start up, the prompt; "USB is not ready" will display on the screen.

Video/HDMI/USB/Card ➡ DVD
Record to DVD from:
HDMI
USB
Card
ENTER Select

2. Memory Card to DVD-ROM

1. Insert a blank disc (make sure it is read correctly)*, then insert Memory Card**.

2. Enter the main menu. Use the up & down keys on the unit to select "Video/USB/Card→ DVD".

3. Press "ENTER" to confirm. The selections "Video/USB/Card" will appear.

8. To exit the current menu, press "RETURN".

To go back to the main menu, press "RETURN" repeatedly until the main menu is reached.

* If CARD capacity is larger than DVD capacity, prompt: "Not enough space in DVD" will appear.

** If CARD is not inserted after

4. Select input "Card".
(Prompt: "Copy files from SD to DVD" and "Press REC to start recording" will appear.)
5. Press record to start recording.
6. Prompt: "Burn files" displays visual progress bar. Burning speed depends on the size of the files.
7. Press return when "Burning finished" is displayed, then the disk will eject automatically.

start up, prompt: "CARD is not ready" will appear.

Video/HDMI/USB/Card ➔ DVD
Record to DVD from:
HDMI
USB
Card
⬤ENTER Select

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3. DVD to USB

1. Insert your DVD and insert a USB drive.
2. Enter main menu and select "CD/DVD → USB/Card".
3. Select output "USB". (Prompt: "DVD → USB", "Copy all files from DVD-ROM to the storage", and

prompt: "Burning finished, please press return" will display.
7. To exit the current menu, press "RETURN".
To go back to the main menu, press "RETURN" repeatedly until main menu is displayed.

"Press REC to start recording" will appear.)

4. Press record to start recording.

5. Prompt: "copy files to new directory…" display will show a progress bar.

6. When copying is completed,

```
Video/HDMI/USB/Card ➡ DVD

Record to DVD from:

HDMI

USB

Card

ENTER  Select
```

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4. DVD to Memory Card

1. Insert your DVD and insert a Memory Card.

2. Enter main menu and select "CD/DVD → USB/Card".

3. Select output "Card".
(Prompt: "DVD → SD", "Copy all files from DVD-ROM to the storage" and "Press REC to start recording" will appear.)

```
Video/HDMI/USB/Card ➡ DVD

Record to DVD from:

HDMI

USB

Card

ENTER  Select
```

4. Press record to start recording.

5. Prompt: "copy files to new

directory…" Display will show a progress bar.

6. When copying is completed, prompt: "Burning finished, please press return" will display.

7. To exit the current menu, press "RETURN".

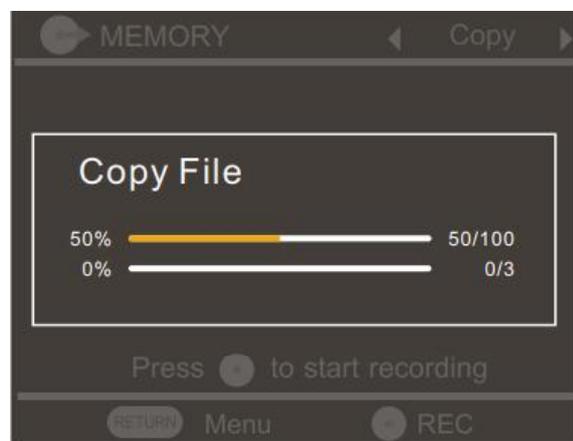To go back to the main menu, press "RETURN" repeatedly until main menu is displayed.
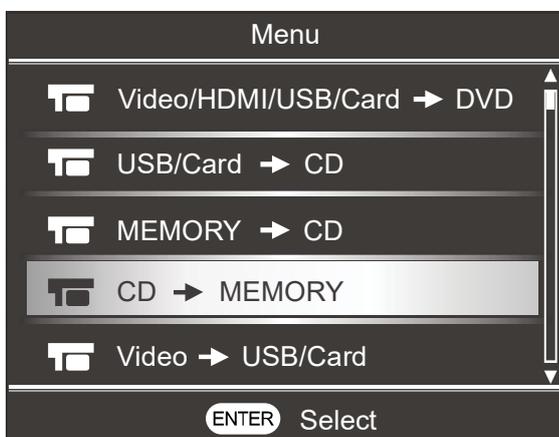

5.CD➜Memory+Memory➜CD

This function allows to user to copy the content from a CD to another CD-R or CD-RW.

1. Prepare the CD to record and a blank CD.

2. Insert the CD to record into DVD ROM.

3. Follow the steps as shown below:

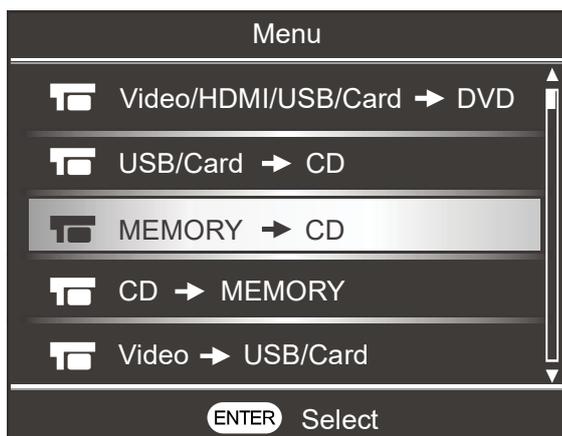4.Once the copy is finish,'copy finish' message appears,press repeatedly [RETURN] to back

temporary into the internal storage.

5.Place a new blank CD-R or CD-RW into DVD ROM and

tomain menu, press [EJECT] button to sort out the CD.

The content of CD is saved

wait 15 seconds till the recorder reads the CD, then follow the steps as below:

6.Once the burning is finished, the CD will be automatically ejected, press repeatedly to back to main menu.

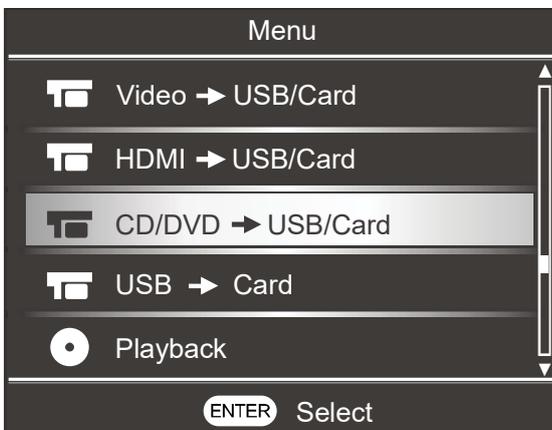## 6. CD➜USB/SD Card + USB/ SD Card ➜CD

This function allows users to

copy the content from a CD to a USB or SD card

copy the content from a CD to USB/SD card, then copy the content from USB/SD card to a CD.
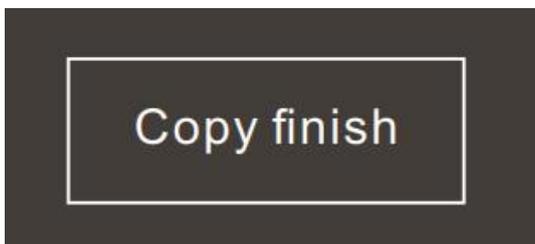
7. CD➜USB or SD card

Before recording, make sure the capacity of USB or SD Card is bigger than the CD.

1. Prepare the CD to record and USB or SD card

2. Insert the CD into DVD-Rom and wait 15 seconds till the recorder reads the CD.

3. Plug the USB into USB port or insert the SD card to card slot, then follow the steps as shown below

Menu
📼 Video ➜ USB/Card
📼 HDMI ➜ USB/Card
📼 CD/DVD ➜ USB/Card
📼 USB ➜ Card
💿 Playback
ENTER Select

CD/DVD ➜ USB/Card
Record from DVD to:
USB
Card
ENTER Select

Choose 'CD/DVD➜USB/Card'

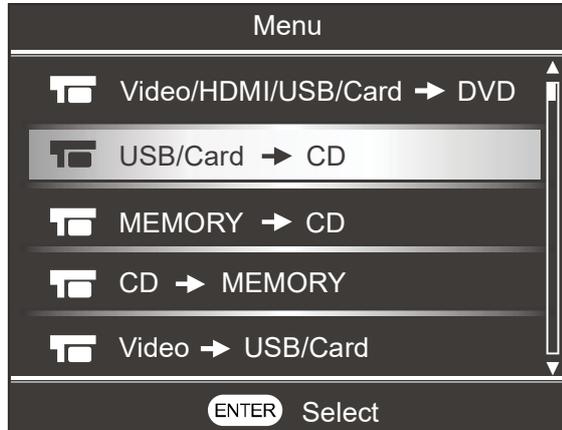*If you choos to copy the CD to a SD card, choose CARD

Copy finish

4. Then press repeatedly [RETURN] to back to main menu.

8. USB / SD➔a New CD

Before recording,

- Make sure the content in USB or SD card is copied from an original CD by following steps above.

- Make sure that capacity of CD-R or CD-RW is big enough for storing all music files in USB or SD Card.

1. Plug in the USB into USB port or insert the SD card from card slot.

2. Insert a blank CD-R or CD-RW into DVD-Rom and wait 15 seconds till the recorder reads the CD. Then follow the steps as shown below

Menu
📺 Video/HDMI/USB/Card ➔ DVD
📺 USB/Card ➔ CD
📺 MEMORY ➔ CD
📺 CD ➔ MEMORY
📺 Video ➔ USB/Card
ENTER Select

USB/Card ➔ CD
Record to DVD from :
USB
Card
ENTER Select

If you choose to copy from a SD card to CD, please choose CARD here

Media player

1. HD-Media Output

Recorder can be used as a multimedia player and connect to a video display machine via HD cable, such as TV, screen which has HD port
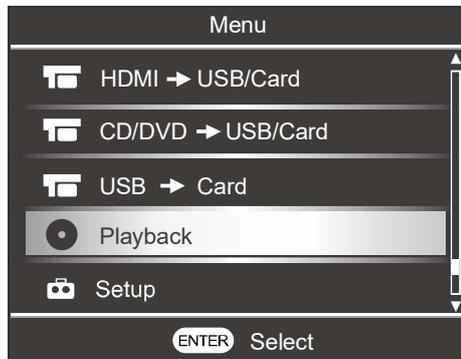
  1-Prepare a HD Cable (not included), then plug in the HD cable to both end of recorder and video display machine.

  2-Now the main menu of recorder will be doubling on the display machine.
  3-we can display the files on USB / SD Card / CD/ DVD
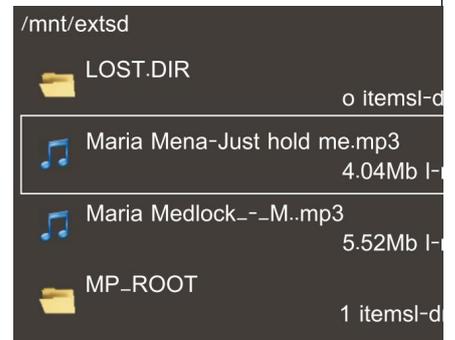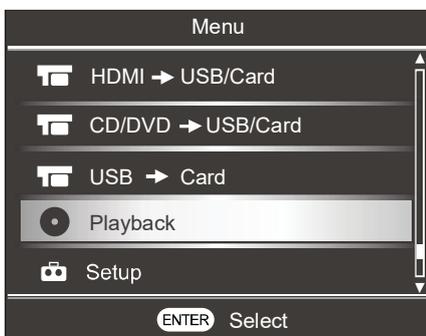   - plug the USB to USB port
       - or insert the SD card to card slot
       - or insert the CD or DVD into DVD rom
  4-go on the main menu, choose Media Player , then choose to play from USB or Card or CD/DVD, then choose the file you wish to play on screen.

Menu	Media Player
HDMI ➡ USB/Card	Play from:
CD/DVD ➡ USB/Card	**USB**
USB ➡ Card	Card
Playback	CD/DVD
Setup	
ENTER Select	ENTER Select

2. Media player

We can also display directly the files on USB/SD card/DVD/CD on recorder by following steps below

| Menu	Playback	/mnt/extsd
HDMI ➡ USB/Card	Play from:	📁 LOST.DIR
CD/DVD ➡ USB/Card	**USB**	o itemsl-d
USB ➡ Card	Card	🎵 Maria Mena-Just hold me.mp3
Playback	CD/DVD	4.04Mb l-r
Setup		🎵 Maria Medlock_-_M..mp3
ENTER Select	ENTER Select	5.52Mb l-r
		📁 MP_ROOT
		1 itemsl-d

Choose **Media Player**.

*Choose **CARD** to display from files in SD card

*Choose **DVD** to display from files in DVD

The contents will show on screen Press △ ▽ button to select the file

Picture Display	Press ▽ for next picture, press △ to back to previous photo
	Supported format: JPEG, BMP, PNG
Music Display	Press [**ENTER**] to play, press [**ENTER**] again to pause Press [**RETURN**] to exit Supported format: MP3, OGG, WMA, AAC, FLAC
Video Display	Press ▷ for volume up Press ◁ for volume down Press [**RETURN**] to exit Supported format: AVI, MOV, WMV, MKV, TS, M2TS, MPG, RM, RMVB
Delete the file	Choose the file to delete Press [**ENTER**] for 5 seconds, message below will show up. - Choose **Delete** to confirm the delete. - Choose **Cancel** to back to previous step.
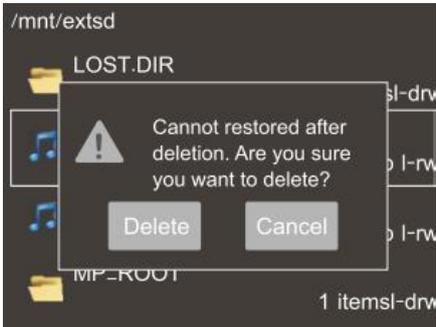
Setup

1.Language setting

The default system language is **English**, and you can also choose **German**, **French**, **Dutch, Spanish** by following below steps:
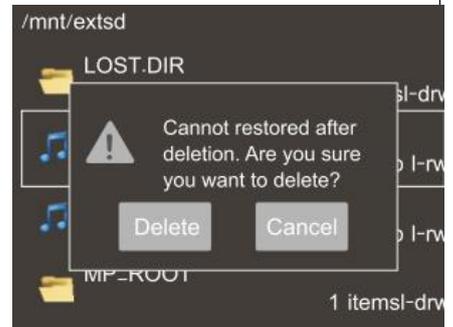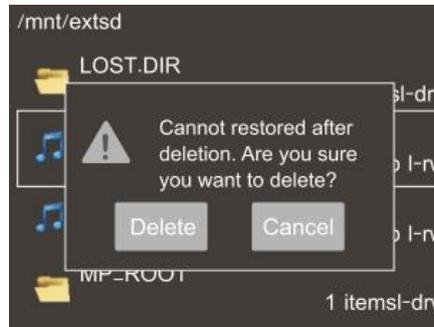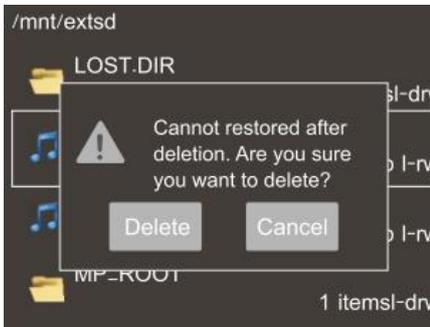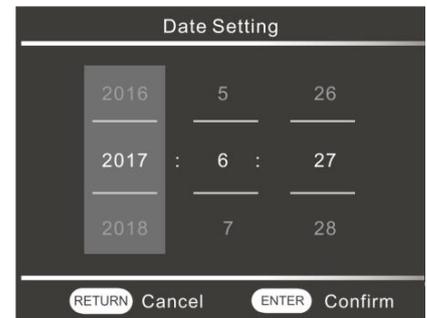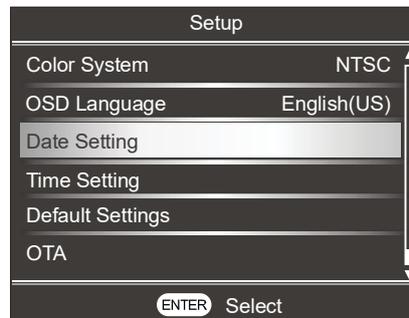
choose the **Setup** on main menu, then press **[ENTER]** confirm the selection.

Choose **OSD Language**, press **[ENTER]** to confirm the selection

Choose the language, press **[ENTER]** to confirm the selection.

2.Date setting

- Choose the **Setup** on main menu, then press **[ENTER]** to confirm the selection.
- Choose **Date Setting** and press **[ENTER]** to confirm.
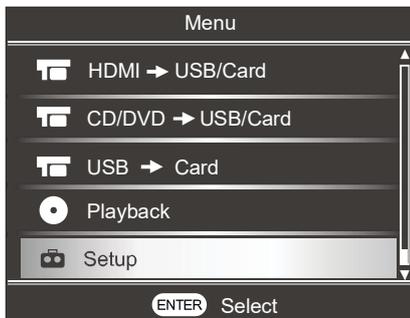
DATE format: YYYY : MM : DD

-Press ▽ or △ to choose the correct Year, once finish press ▷ to pass to the setup of Month and Day. Then press **[ENTER]** to confirm the setting.
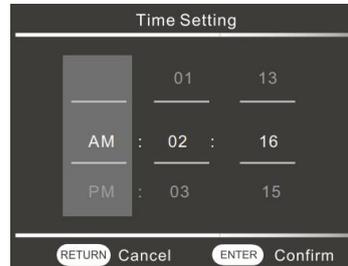
3.Time setting:

Time format : 12 hours
AM/PM : Hour : Minute

The same procedure of Date setting.
Menu **Setup → Time Setting**
Select **AM/PM** then set the **HOUR** and **MINUTE.**

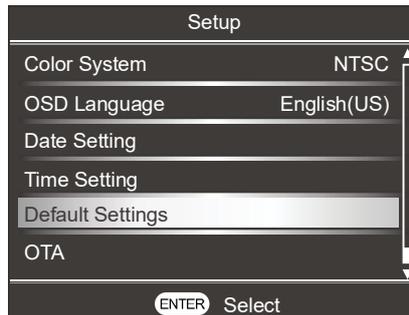Note: if the recorder isn't used for more than 7 days, please reset again the date and time.

```
                          Time Setting
                    01        13
          AM  :     02    :   16
          PM        03        15
          RETURN  Cancel    ENTER  Confirm
```

4. Default setting:

This function allows user to resume to the factory setting and all customized setting will be deleted.

```
              Menu
  🎞  HDMI → USB/Card
  🎞  CD/DVD → USB/Card
  🎞  USB → Card
  ⊙  Playback
  📻  Setup
        ENTER  Select
```

```
              Setup
  Color System            NTSC
  OSD Language      English(US)
  Date Setting
  Time Setting
  Default Settings
  OTA
        ENTER  Select
```

```
          Default setting
      Resume default setting?
              Yes
              No
          ENTER  Select
```

Choose **Setup** on main menu

Choose '**Default Settings**'
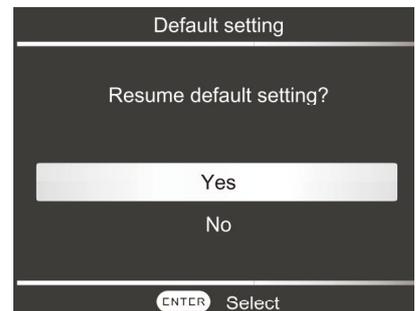
Choose **YES** to resume the setting.

Choose **NO** to cancel and back to main menu.

5.DVD burning format

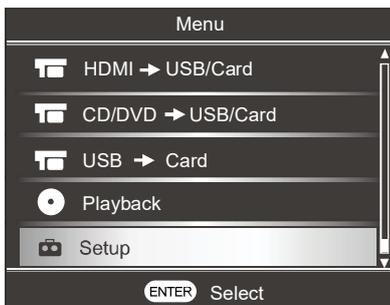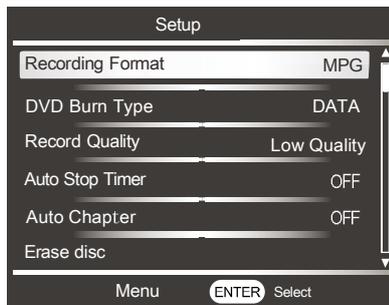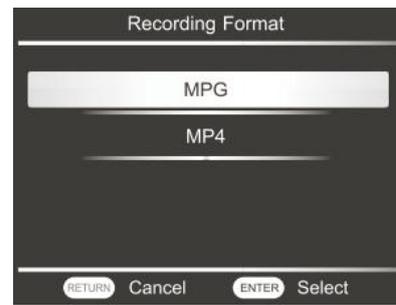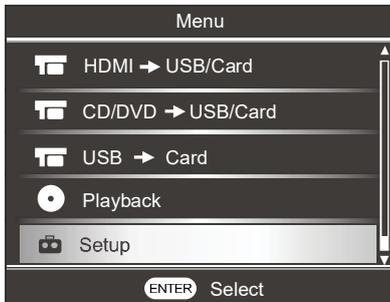| Menu	
📺 HDMI ➜ USB/Card	
📺 CD/DVD ➜ USB/Card	
📺 USB ➜ Card	
💿 Playback	
📷 Setup	

ENTER Select

Choose **Setup** on main menu

Setup	
Recording Format	MPG
DVD Burn Type	DATA
Record Quality	Low Quality
Auto Stop Timer	OFF
Auto Chapter	OFF
Erase disc	

Menu   ENTER Select

Choose '**Recording Format'**

Recording Format

MPG

MP4

RETURN Cancel   ENTER Select

MPG format ➜ for Standard DVD player

MP4 Format ➜ for Blu-ray player
*MP4 format can be easily uploaded to PC to share on social media.

6.DVD Burn type

Menu	
📺 HDMI ➜ USB/Card	
📺 CD/DVD ➜ USB/Card	
📺 USB ➜ Card	
💿 Playback	
📷 Setup	

ENTER Select

Choose **Setup** on main menu

Setup	
Recording Format	MPG
DVD Burn Type	DATA
Record Quality	Low Quality
Auto Stop Timer	OFF
Auto Chapter	OFF
Erase disc	

Menu   Select

Choose '**DVD Burn type'**

DVD Burn Type

DATA

VIDEO

RETURN Cancel   ENTER Select
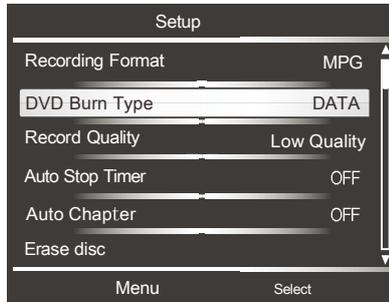
Choose the type needed

| Data	Video
• **Video, picture, music, documents can be burnt** • Can be played and edited on computer • Extra content can be added later	• **Only Video can be burnt** • same format as the DVD disk you bought. • Be played in a DVD player or a computer with a DVD drive. • It has menus and chapters. You can skip around the video to suit your specific needs.

NOTE :

- If you choose **VIDEO** as burning type, you must use a blank disc <u>or</u> format the disc before recording (use Erase Disc function from Setup). Only single recording is allowed.

7.Recording quality
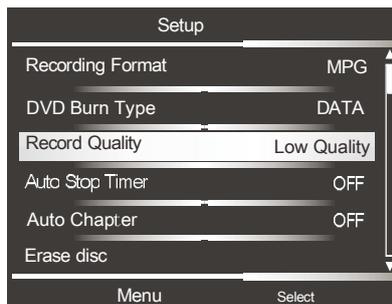
Choose **Setup** on main menu   Choose '**Record quality**'

Note: While Auto Stop Timer and Auto Chapter are off from Setup, for recording longer than 30 minutes, recording will be automatically broken into 30-minute chapters. (from AV IN to DVD/USB/SD)

Record quality include:

QUALITY MODE	Length of recording time
High Quality	Approx. 1 hour
Medium Quality	Approx. 1 hour 30 minutes
Low Quality	Approx. 2 hours 45 minutes

8.Auto stop timer

This function allows user to automatically stop the recording after the preset time selected.
This function can be applied to
- Video➔DVD
- Video ➔ USB or SD card

Menu
🖵 HDMI ➜ USB/Card
🖵 CD/DVD ➜ USB/Card
🖵 USB ➜ Card
⦿ Playback
📷 Setup
ENTER Select

Choose **Setup** on main menu

Setup	
Recording Format	MPG
DVD Burn Type	DATA
Record Quality	Low Quality
Auto Stop Timer	OFF
Auto Chapter	OFF
Erase disc	
Menu	Select

Choose '**Auto Stop Timer'**

Auto Stop Timer
OFF
30 minutes
60 minutes
90 minutes
2 hours
3 hours
RETURN Cancel **ENTER** Select
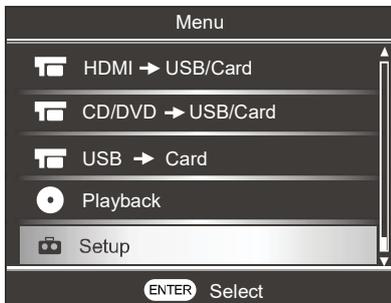
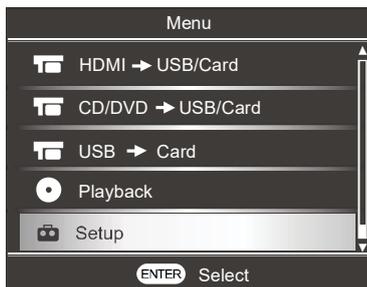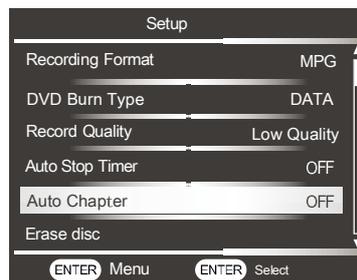Select the time you wish

9.Auto chapter

This function allows to create the interval time of each chapter.
This function can be applied to
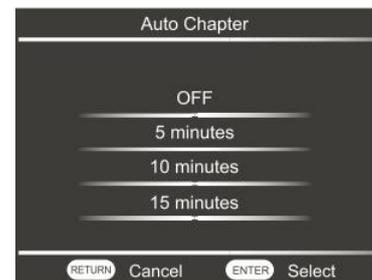- Video➜DVD
- Video➜USB or SD card

Menu
🖵 HDMI ➜ USB/Card
🖵 CD/DVD ➜ USB/Card
🖵 USB ➜ Card
⦿ Playback
📷 Setup
ENTER Select

Choose **Setup** on main menu

Setup	
Recording Format	MPG
DVD Burn Type	DATA
Record Quality	Low Quality
Auto Stop Timer	OFF
Auto Chapter	OFF
Erase disc	
ENTER Menu **ENTER** Select

Choose '**Auto Chapter.**

Auto Chapter
OFF
5 minutes
10 minutes
15 minutes
RETURN Cancel **ENTER** Select

Select the time you wish.

Chapter timer include:

Timer	Recording time
OFF	No chapter mark is inserted
5 Minutes	Inserts chapter marks at approximately 5 minutes intervals
10 Minutes	Inserts chapter marks at approximately 10 minutes intervals
15 Minutes	Inserts chapter marks at approximately 15 minutes intervals

10.Color system

NTSC and PAL are both color encoding systems for analog televisions
- **PAL** = suitable for European countries
- **NTSC**= suitable for United states, Japan

Menu	Setup	Color System
HDMI ➜ USB/Card	Record Quality	
CD/DVD ➜ USB/Card	Auto Stop Timer	PAL
USB ➜ Card	Auto Chapter	
Playback	Erase Disc	NTSC
Setup	Color System	
	OSD Language	
ENTER Select	RETURN Menu ENTER	ENTER Select
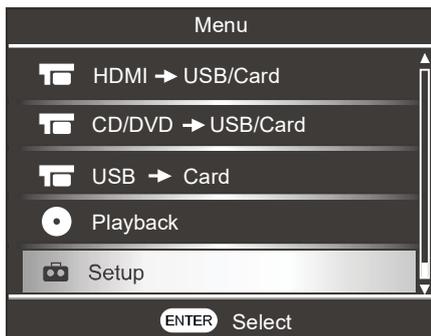
Choose **Setup** on main menu   Choose '**Color System'.**

Note : if you change this setting, please restart the recorder.

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

   -Reorient or relocate the receiving antenna.

   -Increase the separation between the equipment and receiver.

   -Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

   -Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.